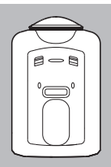
UM-0127A-004-00

English

■ **About software updates**
Use the sport camera after updating the software to the latest version.
For details, check the "UPDATE" section of the following website.
http://www.shimano-sportcamera.com/

You can also access it using this QR code.

A



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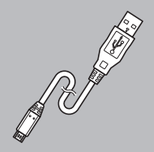

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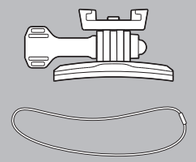

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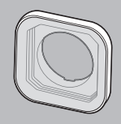

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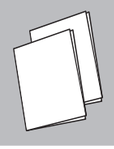
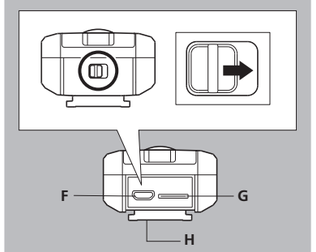
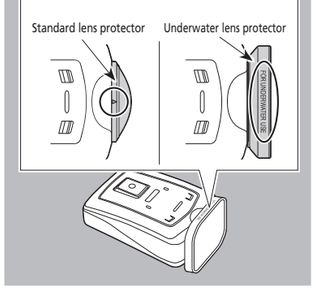




Use the standard or underwater lens protector, whichever is suitable for your needs.
Install each protector with the marked side facing up.



CM-1000 SHIMANO SPORT CAMERA

User's manual

For safety, be sure to read this user's manual thoroughly before use, and follow them for correct use.

⚠ DANGER

- Do not leave CM-1000 near sources of heat such as heaters. Do not heat CM-1000 or throw it into a fire. Doing so may cause bursting or ignition of the built-in battery.
- Do not subject CM-1000 to strong shocks or throw it. Doing so may cause overheating, bursting, or ignition of the built-in battery.
- Do not deform, modify, or disassemble CM-1000. Do not use the built-in battery for other than intended purposes. Doing so may cause leakage, overheating, bursting, or ignition of the built-in battery.

⚠ WARNING

- The operating temperature ranges for the battery are given below. Do not use the battery in temperatures outside these ranges. If the battery is used or stored in temperatures outside these ranges, fire, injury or problems with operation may occur.
  1. In use: –10°C - 40°C
  2. In storage: –20°C - 60°C
- Store it in a safe place out of the reach of children and infants. Infants may swallow the memory card accidentally as it is small. If they swallow it accidentally, seek medical advice immediately.

⚠ CAUTION

- Do not leave CM-1000 in a place exposed to direct sunlight, inside a vehicle on a hot day, or other hot places. This may cause the built-in battery to leak.
- If any leaked fluid gets on your skin or clothes, wash it off immediately with clean water. The leaked fluid may damage your skin.

■ Note

- We are not liable for data save errors or loss of data due to any malfunction of CM-1000 or the SD card.
- Do not drop CM-1000. Doing so may damage CM-1000.
- Do not leave CM-1000 in an area exposed to strong sunlight for an extended period of time.
- Condensation sometimes forms on CM-1000, such as when it is moved from outdoors to a warm place indoors in winter. Entry of condensation (dew) into the product may cause a malfunction. To prevent condensation, seal the product in a bag and after coming indoors, leave it at ambient temperature for a while before removing it from the bag. Finally open the cover and leave the product for a few hours.
- If CM-1000 gets seawater on it, wash the salt, sand, and dirt attached to CM-1000 off with fresh water such as from a shower. Then, remove the lens cover and dry CM-1000.
- Do not expose the camera lens to direct sunlight for an extended period of time.
- To clean the lens surface, lightly blow off the dirt and dust with a blower and gently wipe the lens with a soft, dry cloth.
- Do not rub the lens surface hard. Doing so may scratch the lens surface or cause a malfunction.
- Straight lines in pictures taken by CM-1000 may be distorted due to a characteristic (distortion) of the lens, but this is not a malfunction.
- If CM-1000 becomes hot after continuous use, the protection circuit may turn on to stop the operation of CM-1000.
- About the waterproof function
  * CM-1000 is equivalent to JIS waterproof grade 8 (IPX8) and can be used at depths of up to 10 m for up to 2 hours.
  * The waterproof capability is as per our test standards and does not guarantee the complete prevention of damage, malfunction or waterproofing under all conditions.
  * If you subject CM-1000 to a strong impact by hitting it, dropping it, etc., the waterproof function is not assured.
  * Do not use CM-1000 under water pressure higher than the specifications, in hot springs, or in water at temperatures of 40 °C or higher.
  * The waterproof function of CM-1000 is effective only against seawater and fresh water.
  * Malfunction resulting from the penetration of water caused by inappropriate use is not covered by the warranty.
- Use the underwater lens protector when using the CM-1000 underwater. The standard lens protector may prevent the device from performing adequately, for example by limiting the angle of view or preventing proper focus.
- The underwater lens protector can only be used for a viewing angle of 135 degrees. To ensure the waterproof function, be sure to attach the protector.
- 2.4GHz digital wireless system
  2.4GHz-frequency digital wireless technology, which is the same technology used for wireless LAN.
  However, in a very rare occasions, objects and places may generate strong electromagnetic, waves and interference, which may result in incorrect measurement.
  * Television, PC, radios, motors/engines, or in car and trains.
  * Railroad crossings and near railway tracks, around television transmitting stations and radar bases.
  * Other wireless computers or digitally controlled light.
- Observe the general rules of etiquette when shooting.
- Be aware that taking pictures of others and making them available to the public may violate their rights such as their image right.
- Do not use CM-1000 in a manner against public order and morals, such as shooting commercially available books or literary works whose shooting is prohibited.
- Save important data to a PC, etc.
- Inserting the memory card in the wrong orientation may damage the memory card, memory card slot, or image data.
- Do not insert anything other than a memory card of supported size into the memory card slot. Doing so may cause a malfunction.
- Be careful as the memory card may pop out unexpectedly when it is inserted or removed.
- CM-1000 is guaranteed to operate under operating temperatures ranging from -10 °C to 40 °C, but the operating temperature range guaranteed may vary according to the type of memory card.
  For details, read the user's manual for your memory card.

■ Cautions when disposing of the memory card or giving it to someone else
The data in the memory card may not be completely deleted using "Format" or "Deletion" functions of CM-1000 or PCs. If you intend to give the memory card to someone else, we recommend you delete the data completely using data deletion software for PCs.
When disposing of the memory card, we recommend you destroy the memory card physically.

- Contact the place of purchase for updates of the component software. The most up-to-date information is available on the Shimano website.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- Please review any precautions that apply to use of the mount you are utilizing.

■ Package contents

A	CM-1000 (with standard lens protector preinstalled)	C	Mount set (mount A, mount B, bolt, leash, belt, rubber, adhesive tapes)	E	User's manual, Quick manual
B	USB cable	D	Underwater lens protector		

■ Charging the built-in battery

Open the waterproof cover and connect the USB cable provided to the socket **F**. Connect the USB cable to the PC and fully charge the battery.
- Standard charging time: 4 hours
- Recordable Time : Approximately 2 hours (Full HD)

■ Replacing the SD card

Open the waterproof cover and insert the memory card into the slot **G** with the label side facing up until it clicks. Then close the waterproof cover.
- Supported memory cards: Micro SD/SDHC class 6 or higher (up to 32GB)

■ Attaching to the mount

Slide the tab **H** on the bottom of CM-1000 into the mount.

■ Connecting to Wi-Fi

You can connect CM-1000 to a smartphone device with the dedicated application.*

■ Connecting to a PC

Without turning off the CM-1000, connect one end of the USB cable provided to socket **F** and the other to the PC. When the PC detects CM-1000 as an external storage device, the connection is established.

■ Connecting to an ANT+™ product

You can connect CM-1000 to an ANT+™ product.*

* For details on operation procedures, applications required to use peripheral devices, etc., you can also check our support website (http://www.shimano-sportcamera.com/).
This user's manual is available at: http://si.shimano.com/#categories/90

SHIMANO

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Please note: specifications are subject to change for improvement without notice. (English)
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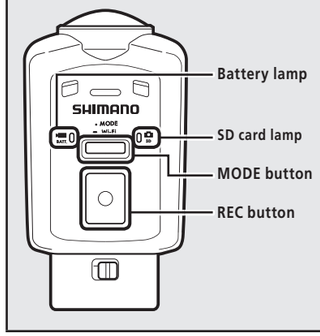
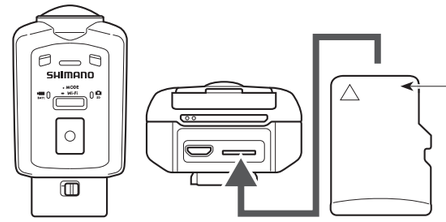
Names of parts



Preparation for taking pictures

- Open the cover on the back of the camera and insert a microSD card (optional).



MicroSD/SDHC card of speed class 6 or higher (up to 32 GB in capacity)

Note:
Observe the correct orientation when inserting the SD card.

- If you try to operate the camera without an SD card mounted, a series of warning beeps sound to indicate that an SD card is missing. The camera cannot be used without an SD card mounted.

Taking pictures

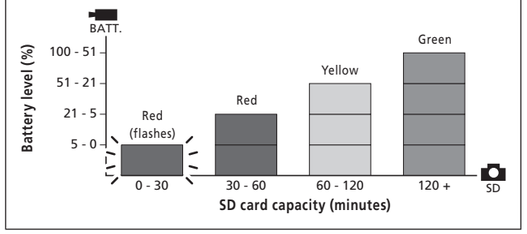
■ Switching the power on and off

0.5 sec — Pressing the **MODE button** once turns on the camera with two beeps. At that time, the two lamps turn on.

4 sec — Holding down the **REC button** turns off the camera with four beeps.

- When the camera is turned on, the two lamps at the center of the camera light up for about 2 seconds.
- The left lamp indicates the battery level and the right lamp indicates the remaining capacity of the SD card.

Battery level according to lamp display color



■ Recording video

- Pressing the **REC button** once starts video recording with two beeps.
- Pressing the **REC button** again stops video recording with a series of beeps.

■ Switching between the recording modes

0.5 sec

- Turn on the camera and press the **MODE button** to change the recording mode.
- Each time you press the **MODE button**, the recording mode changes in the order of Full HD, HD, WVGA, and Still Image.

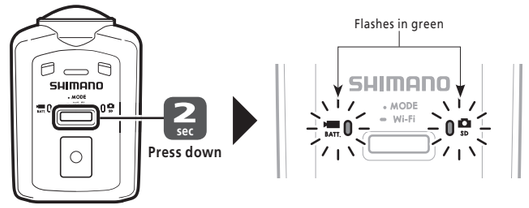
Resetting the camera
If the camera does not respond to any operation, it may be freezing. Press and hold both the **MODE** and **REC buttons** (8 seconds or longer) to reset the main unit.

Connecting to a smartphone

■ Downloading a custom app

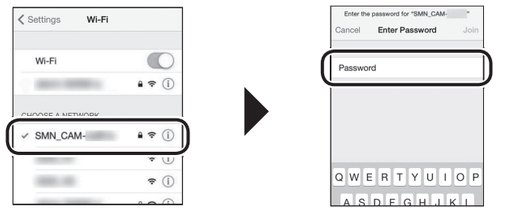
- Download the smartphone application from App Store for iPhones or Play Store for Android phones.
  Type "shimano" to search for the smartphone application.

■ Connecting your smartphone to the camera through Wi-Fi using the smartphone application



- Turn on the camera and hold down the **MODE button** until you hear a beep, then the lamp turns green to indicate that the camera is transmitting Wi-Fi signals.

■ Smartphone settings



- Turn on Wi-Fi in your smartphone and select the network "SMN_CAM-xxxx".
- Enter "SHIMANO_Cam" for the Wi-Fi password to establish the connection. After the connection is established, start the smartphone application.

Carefully type the password as it contains upper and lowercase letters and an underscore.